

CLAIMS

What is claimed is:

1 1. A method of varying gloss in hard copy output from a hard copy
2 output engine comprises:
3 providing a user with a user-adjustable control for varying hard copy
4 output gloss; and
5 varying at least one processing parameter in producing the hard copy
6 output in response to user adjustment of the user-adjustable control to provide a
7 first user-selected gloss level over a first portion of a page of hard copy output.

1 2. The method of claim 1, further comprising:
2 sensing achieved gloss levels in hard copy output from the hard copy
3 output engine; and
4 varying at least one processing parameter in producing the hard copy
5 output in response to both the sensed achieved gloss level and user adjustment
6 of the user-adjustable control.

1 3. The method of claim 1, wherein varying gloss in hard copy output
2 includes varying gloss in a hard copy output engine that employs dry powdered
3 material as for pigmentation of the hard copy medium.

1 4. The method of claim 1, wherein varying at least one parameter
2 includes supplying a gloss modification agent to the hard copy medium during
3 generation of the hard copy output.

1 5. The method of claim 1, wherein varying at least one parameter
2 includes varying at least one parameter chosen from a list consisting of: Toner
3 Mass Density; Media Gloss; Fusing Temperature; Fusing Pressure; Fusing Time;
4 Cooling Rate; Nip Geometry; Auxiliary Heat; Number Of Passes; Use Of Multi-
5 Gloss Toner; Special Hard Copy Media Or Treatments; and Using Additional
6 Toner Cartridge(s) For Applying A "Gloss Enhancement", "Gloss Modification"
7 Or "Gloss Reduction" Overcoat.

1 6. The method of claim 1, wherein providing a user with a user-
2 adjustable control includes providing a user with a user-adjustable control
3 allowing page-to-page adjustment of achieved gloss levels.

1 7. The method of claim 1, wherein varying at least one parameter
2 includes varying at least one parameter to provide the first user-selected gloss
3 level over the first portion of the page of hard copy output and to provide a
4 second user-selectable gloss level over a second portion of the page.

1 8. An apparatus for varying gloss in hard copy output from a hard
2 copy output engine comprising:
3 a user interface facilitating user-adjustable variation of hard copy output
4 gloss; and
5 a control mechanism configured to vary at least one processing parameter
6 in producing the hard copy output in response to user adjustment of the user-
7 adjustable control to provide a first user-selected gloss level over a first portion
8 of a page of hard copy output.

1 9. The apparatus of claim 8, further comprising:
2 a sensor for sensing achieved gloss levels in hard copy output from the
3 hard copy output engine; and
4 wherein the control mechanism configured to vary includes a control
5 mechanism configured to vary at least one processing parameter in producing
6 the hard copy output in response to both the sensed achieved gloss level and
7 user adjustment of the user-adjustable control.

1 10. The apparatus of claim 8, wherein the hard copy output engine
2 employs dry powdered material as for pigmentation of the hard copy medium

1 11. The apparatus of claim 8, wherein the control mechanism
2 configured to vary includes a control mechanism configured to supply a gloss
3 modification agent to the hard copy medium during generation of the hard copy
4 output.

1 12. The apparatus of claim 8, wherein the control mechanism
2 configured to vary includes a control mechanism configured to vary at least one
3 parameter chosen from a list consisting of: Toner Mass Density; Media Gloss;
4 Fusing Temperature; Fusing Pressure; Fusing Time; Cooling Rate; Nip Geometry;
5 Auxiliary Heat; Number Of Passes; selecting Use Of Multi-Gloss Toner; selecting
6 Special Hard Copy Media Or Treatments; and Using Additional Toner
7 Cartridge(s) For Applying A "Gloss Enhancement", "Gloss Modification" Or
8 "Gloss Reduction" Overcoat.

1 13. The apparatus of claim 8, wherein the user interface includes a
2 user interface configured to provide a user with a user-adjustable control
3 allowing page-to-page adjustment of achieved gloss levels.

14. The apparatus of claim 8, wherein the user interface includes a user interface configured to provide the first user-selected gloss level over the first portion of the page of hard copy output and to provide a second user-selectable gloss level over a second portion of the page.

15. A computer implemented control system for a hard copy output engine, the system comprising processing circuitry coupled to the hard copy output engine and configured to:

- provide a user interface configured to facilitate user-adjustable variation of hard copy output gloss; and
- vary at least one processing parameter in producing the hard copy output in response to user adjustment of the user-adjustable control to provide a first user-selected gloss level over a first portion of a page of hard copy output.

16. The computer implemented control system of claim 15, wherein the processor configured to vary at least one processing parameter comprises a processor configured to

sense achieved gloss levels in hard copy output from the hard copy output engine; and

vary at least one processing parameter in producing the hard copy output in response to both the sensed achieved gloss level and user adjustment of the user-adjustable control.

17. The computer implemented control system of claim 15, wherein the processor configured to vary at least one processing parameter comprises a processor configured to supply a gloss modification agent to the hard copy medium during generation of the hard copy output.

1 18. The computer implemented control system of claim 15, wherein
2 the processor configured to vary at least one processing parameter comprises a
3 processor configured to vary at least one parameter chosen from a list
4 consisting of: Toner Mass Density; Media Gloss; Fusing Temperature; Fusing
5 Pressure; Fusing Time; Cooling Rate; Nip Geometry; Auxiliary Heat; Number Of
6 Passes; selecting Use Of Multi-Gloss Toner; selecting Special Hard Copy Media
7 Or Treatments; and Using Additional Toner Cartridge(s) For Applying A "Gloss
8 Enhancement", "Gloss Modification" Or "Gloss Reduction" Overcoat.

1 19. The computer implemented control system of claim 15, wherein
2 the processor configured vary at least one processing parameter comprises a
3 processor configured to provide a user with a user-adjustable control allowing
4 page-to-page adjustment of achieved gloss levels.

1 20. The computer implemented control system of claim 15, wherein
2 the processor configured to vary at least one processing parameter comprises a
3 processor configured to provide the first user-selected gloss level over the first
4 portion of the page of hard copy output and to provide a second user-selectable
5 gloss level over a second portion of the page.